# **SITE NUMBER: LAC104 (11632) NAME: BAKERSFIELD OVERLAY**

#### **ENGINEERING**

2010 CALIFORNIA BUILDING CODE 2011 NATIONAL ELECTRIC CODE TIA/EIA-222-G OR LATEST EDITION

#### **GENERAL NOTES**

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A THE FACILITY IS UMMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.



PROJECT: LTE INDOOR (OPTIMUM) **SITE ADDRESS: 37403 GORMAN POST RD GORMAN, CA 93243** 

#### SITE INFORMATION

PROPERTY OWNER:

ROTH RALPHS 49713 GORMAN POST RD GORMAN, CA 93243

12900 PARK PLAZA DRIVE CERRITOS, CA 90703

LATITUDE: 34' 13' 20.96'

LONGITUDE

-118' 26' 16.47' NAD 83

LAT/LONG TYPE:

GROUND FLEVATION +3.619'-0" AMSI

3251-016-023 APN #:

ZONING JURISDICTION COUNTY LOS ANGELES

CURRENT ZONING:

PROPOSED USE: UNMANNED TELECOMMUNICATIONS FACILITY

#### **PROJECT TEAM**

PROJECT MANAGER; BLACK & VEATCH 12750 CENTER COURT DR., SUITE 600 CERRITOS, CA 90703 CONTACT: LESLIE PARAMO PHONE: (562) 402–2652 X27 EMAIL: ParamoLE@bv.com

SITE ACQUISITION:
TECHNOLOGY ASSOCIATES
3002 DOW, STE 212
TUSTIN, CA 92780
CONTACT: ROBERT MCCORMICK PHONE: (310) 547-7413

#### RF ENGINEER:

AIQI 12900 PARK PLAZA DRIVE CERRITOS, CA 90703 CONTACT: KENNETH REYES PHONE: (412) 320-3238 SITE AQ. MANAGER:
BLACK & VEATCH
12750 CENTER COURT DR.,
SUITE 600
CERRITOS, CA 90703
CONTACT: CIA PARKER
PHONE: (310) 920,8374

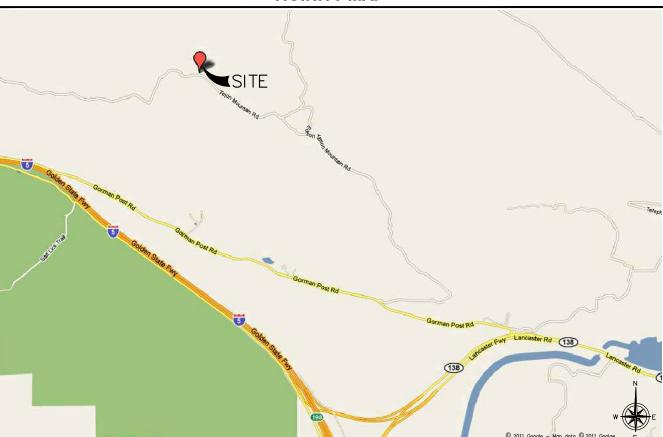
PHONE: (310) 920-8374

ENGINEER:
MAXIMIZE COMMUNICATION GROUP
1351 POMONA ROAD,
STE 100

CORONA, CA 92882 CONTACT: KEN DAVIS PHONE: (909) 724-4093 EMAIL: kend@maxcom1.com

CONSTRUCTION MANAGER: BLACK & VEATCH 12750 CENTER COURT DRIVE, SUITE CERRITOS, CA 90703 CONTACT: JAKE SOWERS PHONE: (678) 849-4663





#### **DRIVING DIRECTIONS**

DIRECTIONS FROM AT&T OFFICE IN CERRITOS:

TAKE CA-91 W. THEN EXIT 17B TO MERGE ONTO I-605 N. TAKE EXIT 11 TO MERGE ONTO I-5 N/SANTA ANA FWY TOWARD LOS ANGELES CONTINUE TO FOLLOW I-5 N. TAKE EXIT 198A TO MERGE ONTO CA-138 E/LANCASTER FWY TOWARD LANCASTER/PALMDALE. TURN LEFT ONTO GORMAN POST RD. TURN RIGHT ONTO EDISON TESON MOUNTAIN RD. SLIGHT LEFT ONTO TEJON MOUNTAIN RD.

#### **ZONING DRAWING**

IF USING 11"X17" PLOT, DRAWINGS WILL BE HALF SCALE

#### PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION. THE SCOPE WILL CONSIST

- NISTALL (1) AT&T LTE INDOOR EQUIPMENT CABINET
  REMOVE (8) EXISTING AT&T ANTENNAS & REPLACE WITH (12) AT&T ANTENNAS
- INSTALL (1) AT&T GPS UNIT

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SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
A-0	SITE PLANS
A-1	EQUIPMENT LAYOUT PLAN
A-2	ANTENNA INFORMATION & LAYOUTS
A-3	ELEVATIONS
A-4	ELEVATIONS

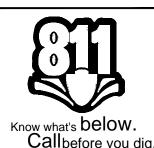
#### **APPROVALS**

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS

AT&T RF ENGINEER:	. DATE:
AT&T OPERATIONS:	DATE:
SITE ACQUISITION:	DATE:
CONSTRUCTION MANAGER:	DATE:
PROPERTY OWNER:	. DATE:
ZONING:	
PROJECT MANAGER:	
PROJECT MANAGER.	DAIL.

#### DO NOT SCALE DRAWINGS

XISTING DIMENSIONS & FIELD CONDITIONS ON HE JOB SITE & SHALL IMMEDIATELY NOTIFY HE ENGINEER IN WRITING OF ANY CREPANCIES BEFORE PROCEEDING WITH THE



12900 PARK PLAZA DRIVE

CERRITOS, CA 90703





CERRITOS, CA 90703

1351 POMONA RD SUITE #100 CORONA, CA 92882

ı	PROJECT NO:	-
	DRAWN BY:	JMB
ı	CHECKED BY:	DW

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4	11/08/11	REVISED APN CORRECTION
3	11/01/11	REVISED RAD CENTER
2	10/31/11	REVISED RC PER CLIENT COMMENTS
1	10/11/11	REVISED RC PER CLIENT COMMENTS
0	07/16/11	ZD'S ISSUED FOR 100%
В	07/11/11	ZD'S ISSUED FOR APPROVAL
Α	06/30/11	ZD'S ISSUED FOR REVIEW
REV	DATE	DESCRIPTION

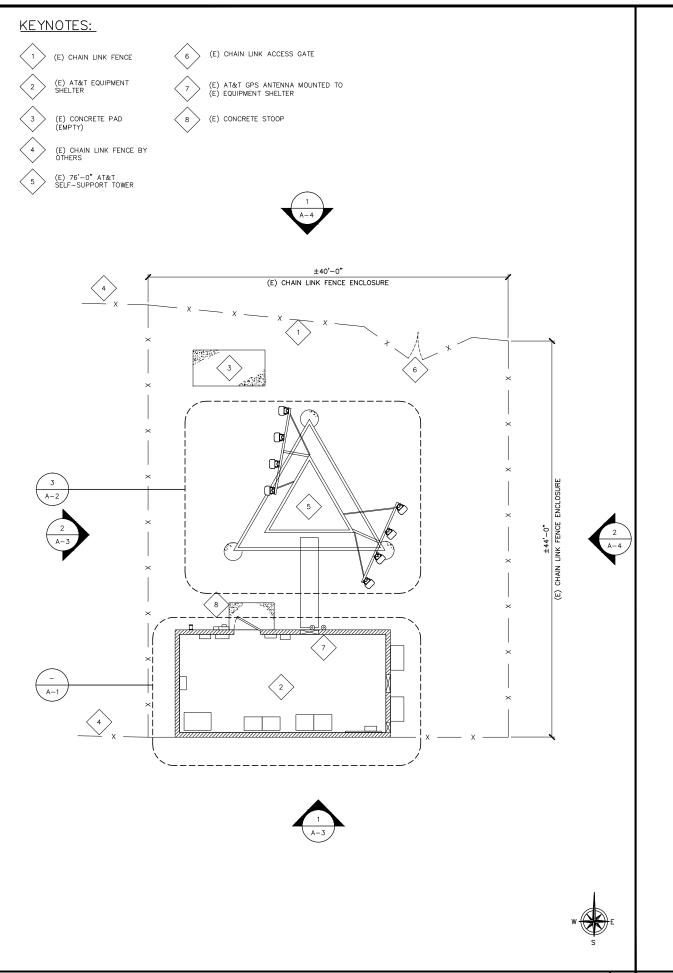
LAC104 (11632) BAKERSFIELD OVERLAY 37403 GORMAN POST RD GORMAN, CA 93243 LTE INDOOR

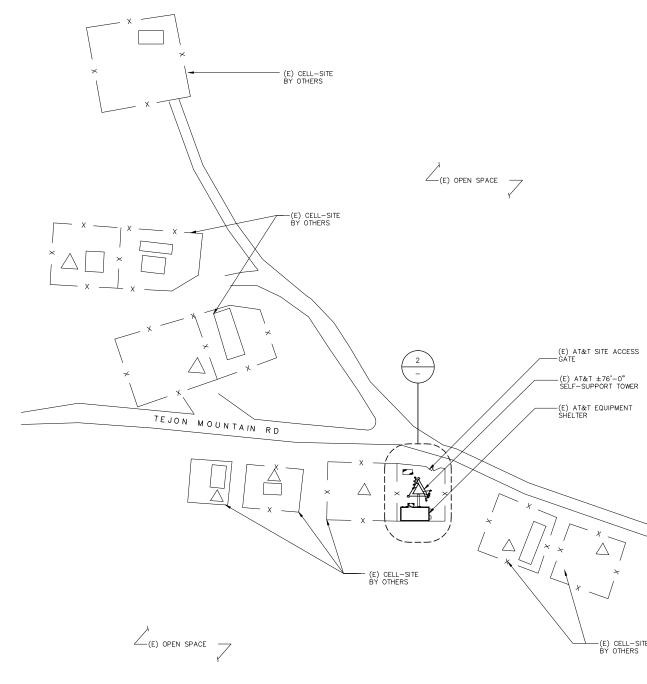
SHEET TITLE

TITLE SHEET

SHEET NUMBER

**T-1** 







## **BLACK & VEATCH**

CENTER COURT DRIVE SUITE #330 CERRITOS, CA 90703



1351 POMONA RD SUITE #100 CORONA, CA 92882

PROJECT NO: DRAWN BY: DW CHECKED BY:

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2	10/31/11	REVISED RC PER CLIENT COMMENTS
1	10/11/11	REVISED RC PER CLIENT COMMENTS
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T IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

LAC104 (11632) BAKERSFIELD OVERLAY 37403 GORMAN POST RD GORMAN, CA 93243 LTE INDOOR

SHEET TITLE

SITE PLANS

SHEET NUMBER

**A-0** 

2 EXISTING SITE PLAN

**EXISTING ENLARGED SITE PLAN** 

24"x36" SCALE: 1" = 40'-0" 11"x17" SCALE: 1" = 80'-0"

### KEYNOTES:

1 (E) AT&T GSM CABINETS

7 (E) HVAC UNITS

2 (E) AT&T 3206 UMTS 3C CABINET

8 (E) AT&T COAX PORT

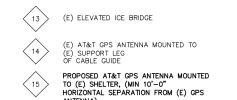
(E) AT&T DC POWER PLANT

(E) AT&T BATTERY STACK

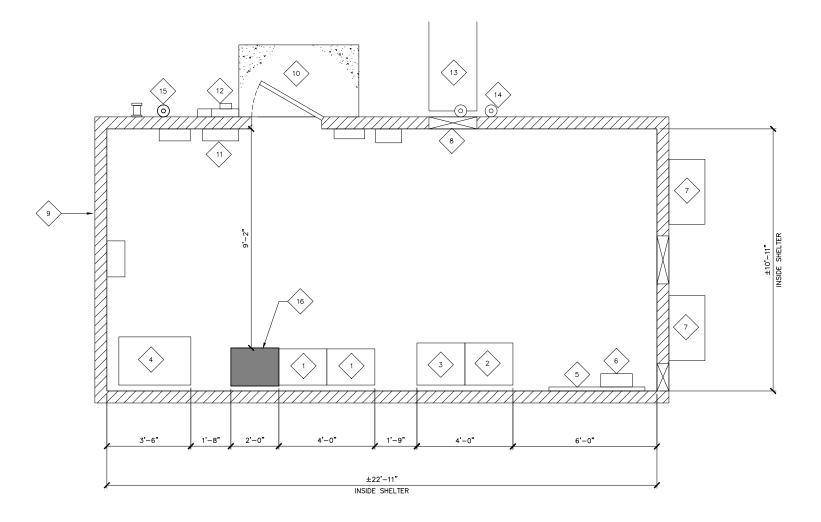
(E) AT&T CONCRETE STOOP

> (E) AT&T TELCO BOARD

(E) FIBER BOX (E) AT&T METER



PROPOSED AT&T LTE EQUIPMENT RACK









1351 POMONA RD SUITE #100 CORONA, CA 92882

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ı	CHECKED BY:	DW

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LAC104 (11632)
BAKERSFIELD OVERLAY
37403 GORMAN POST RD
GORMAN, CA 93243
LTE INDOOR

SHEET TITLE

EQUIPMENT LAYOUT PLAN

SHEET NUMBER

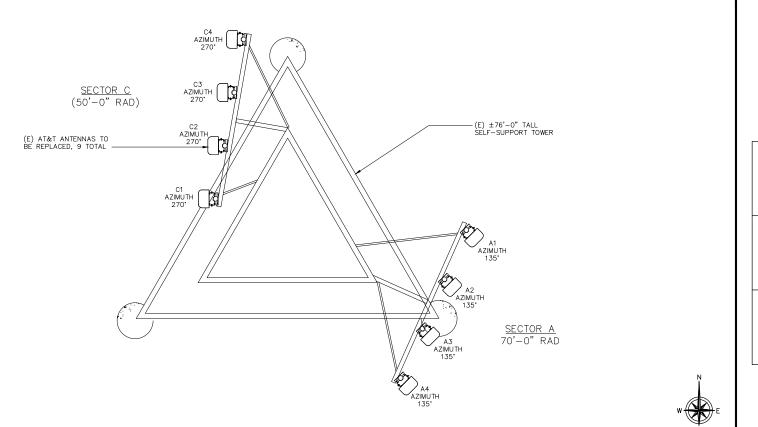
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PROPOSED EQUIPMENT LAYOUT PLAN

24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0"

2' 1' 0" 2'



PROPOSED ANTENNA LAYOUT

	PROPOSED OPTIMAL ANTENNA AND TRANSMISSION CABLES REQUIREMENT (VERIFY WITH CURRENT RFDS)								
		PROPOSED	ANTEN	INA MODEL	ANTENN <i>A</i>	AZIMUTH	RAD		TRANSMISSION LINE
	SECTOR	TECHNOLOGY	EXISTING	PROPOSED	EXISTING	PROPOSED	CENTER	LENGTH	PART NUMBER
JR.	A1	LTE	N/A	TBD	135*	100°	72'-0"	±95'	TBD
SECTOR	A2	GSM	N/A	TBD	135*	135*	72'-0"	±95'	TBD
ALPHA	А3	UMTS	N/A	TBD	135*	135*	72'-0"	±95'	TBD
AL	A4	LTE	N/A	TBD	135*	100°	72'-0"	±95'	TBD
	B1	LTE	N/A	TBD	N/A	220°	72'-0"	±95'	TBD
SECTOR	B2	GSM	N/A	TBD	N/A	220°	72'-0"	±95'	TBD
BETA SI	В3	UMTS	N/A	TBD	N/A	220°	72'-0"	±95'	TBD
BE	B4	LTE	N/A	TBD	N/A	220°	72'-0"	±95'	TBD
ъ	C1	LTE	N/A	TBD	270°	340°	72'-0"	±95'	TBD
SECTOR	C2	GSM	N/A	TBD	270*	270°	42'-0"	±65'	TBD
GAMMA S	C3	UMTS	N/A	TBD	270*	270°	42'-0"	±65'	TBD
GAN	C4	LTE	N/A	TBD	270*	340°	72'-0"	±95'	TBD



12900 PARK PLAZA DRIVE CERRITOS, CA 90703



CENTER COURT DRIVE SUITE #330 CERRITOS, CA 90703



1351 POMONA RD SUITE #100 CORONA, CA 92882

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ı	CHECKED BY:	DW

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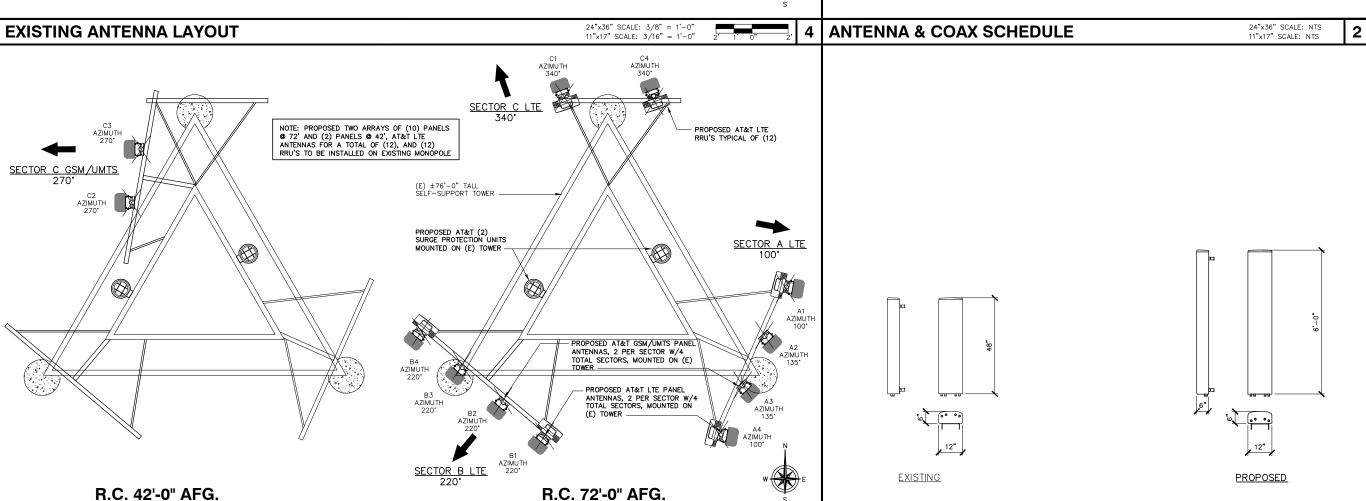
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SHEET TITLE ANTENNA INFORMATION & LAYOUTS

SHEET NUMBER

24"x36" SCALE: NTS 11"x17" SCALE: NTS

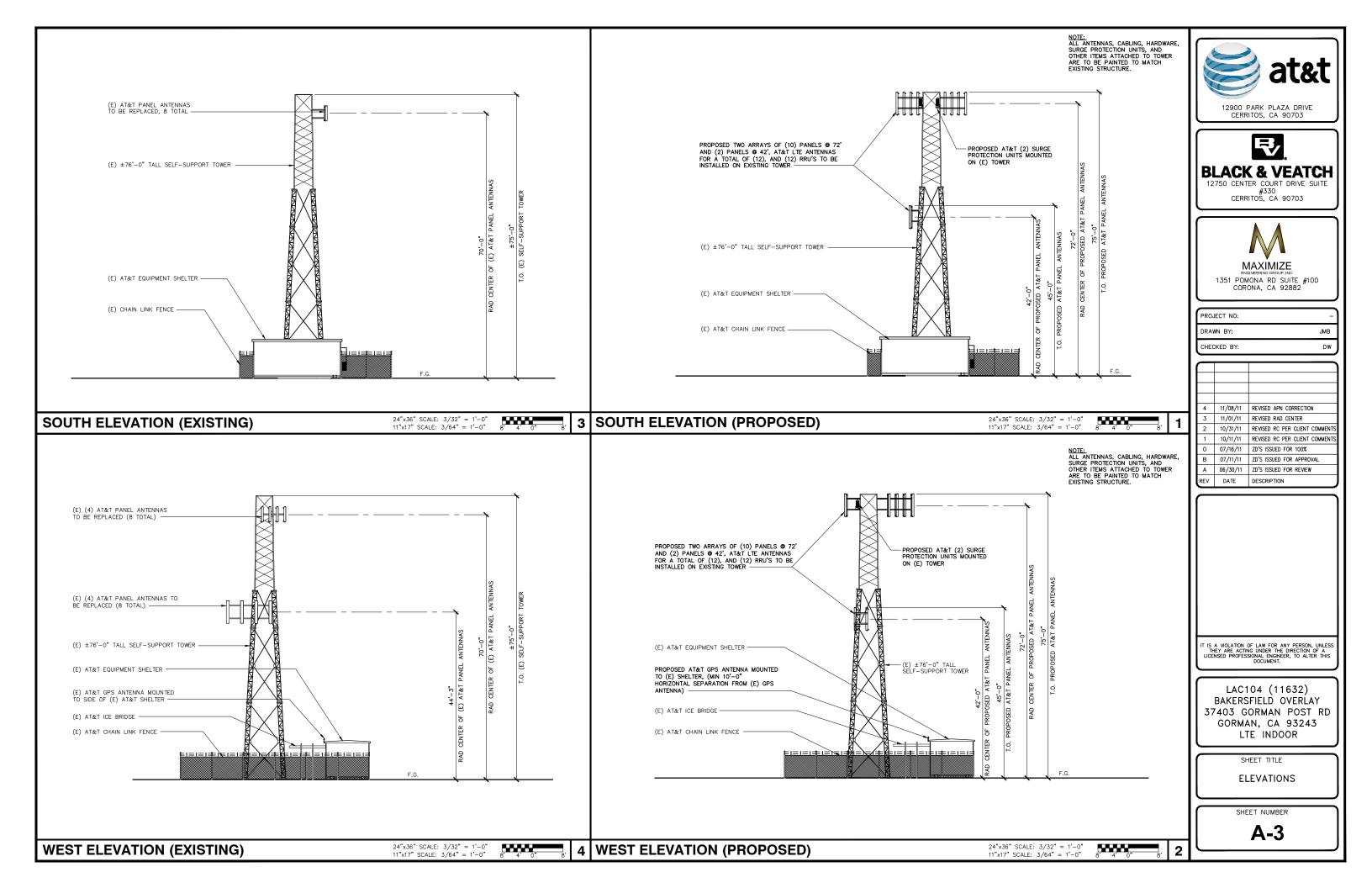
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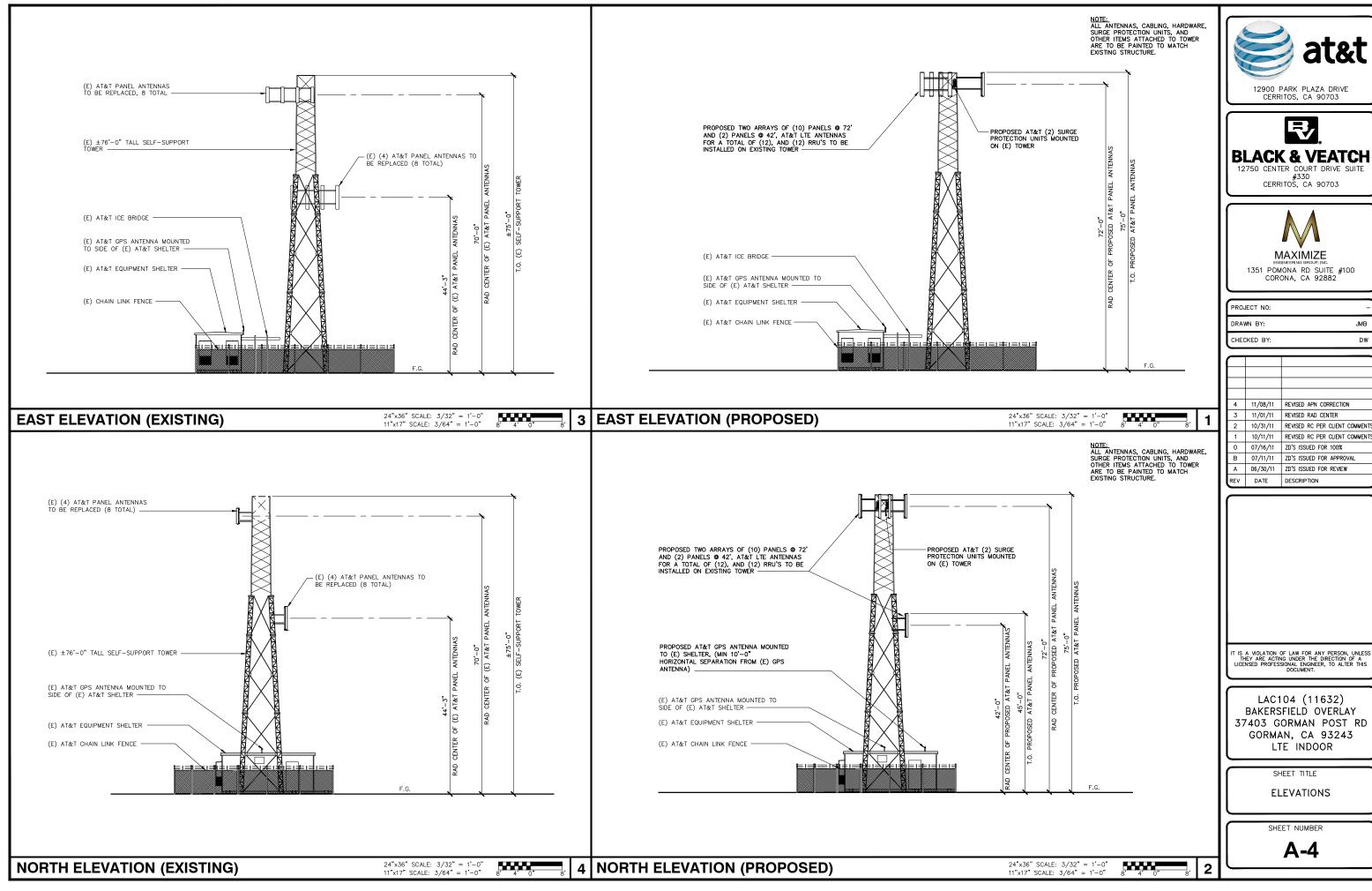


24"x36" SCALE: 3/8" = 1'-0" 11"x17" SCALE: 3/16" = 1'-0"

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ANTENNA SPECIFICATIONS





12900 PARK PLAZA DRIVE CERRITOS, CA 90703





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